This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A dialyzer inlet header comprising:

a body that is designed to be attached to an end of a dialyzer;

an inlet channel providing fluid communication from an exterior of the dialyzer to an interior of the dialyzer, the inlet channel defining a fluid flow path that is axial to a fiber bundle located in the interior of the dialyzer; and

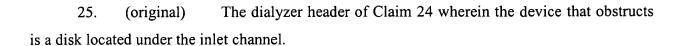
at least one member for modifying the fluid flow path of a fluid as it exits the inlet channel, wherein the member includes a curved vane extending from a portion of the body.

- 2. (canceled)
- 3. (currently amended) The dialyzer inlet header of Claim $2\underline{1}$ including eight vanes.
- 4. (original) The dialyzer inlet header of Claim 1 wherein the inlet channel is located at a center of the body.
- 5. (original) The dialyzer inlet header of Claim 1 wherein the header is sealed to an end of a dialyzer casing.
- 6. (currently amended) The dialyzer inlet header of Claim 1 wherein the member for modifying the fluid flow path isdefines a curved channel extending into a portion of the body.
- 7. (original) The dialyzer inlet header of Claim 6 including eight channels extending into the body.



- 8. (original) The dialyzer inlet header of Claim 1 wherein the member for modifying the fluid flow path obstructs the flow of fluid as it exits the fluid channel.
- 9. (currently amended) The dialyzer inlet header of Claim 8 wherein the member for modifying the fluid flow path is further includes a disk located under an exit opening of the inlet fluid channel.
- 10. (original) The dialyzer inlet header of Claim 9 wherein the body includes a plurality of curved vanes.
- 11. (original) The dialyzer inlet header of Claim 9 wherein the body includes a plurality of curved channels.
 - 12. (currently amended) A dialyzer comprising:
 - a body defining an interior and having a first end and a second end;
 - a fiber bundle located in the interior;
- a blood inlet located at the first end and including a fluid flow channel that causes the blood to flow in an axial direction with respect to the fiber bundle; and
- a member located in juxtaposition <u>and integral</u> to the blood inlet that causes blood to flow to a perimeter region of a first end of the fiber bundle.
- 13. (original) The dialyzer of Claim 12 wherein the member is a curved vane extending from a portion of the body.
- 14. (original) The dialyzer of Claim 12 wherein inlet channel is located at a center of the body.
- 15. (previously amended) The dialyzer of Claim 12 wherein the blood inlet is sealed to an end of the dialyzer body.

- 16. (original) The dialyzer of Claim 12 wherein the member is a curved channel extending into a portion of the body.
- 17. (original) The dialyzer of Claim 12 wherein the member is a disk located under an exit opening of the inlet fluid channel.
- 18. (previously amended) The dialyzer of Claim 17 wherein the member includes a plurality of curved vanes.
- 19. (original) The dialyzer of Claim 17 wherein the member includes a plurality of curved channels.
- 20. (original) The dialyzer of Claim 12 including a dialysate inlet and a dialysate outlet that define fluid flow channels that are radial to the fiber bundle.
- 21. (currently amended) A dialyzer header comprising a body member having an inlet channel providing fluid communication from an exterior to an interior of the header, the inlet channel defining a fluid path that is axial to a casing of a dialyzer to which the dialyzer head is attached and the body member including a plurality of members that extend from the body member and that impart a circular motion to the fluid as it enters the interior of the header.
- 22. (original) The dialyzer header of Claim 21 wherein the members are a plurality of curved vanes.
- 23. (original) The dialyzer header of Claim 20 wherein the members are a plurality of curved channels.
- 24. (original) The dialyzer header of Claim 21 wherein the members include a device that obstructs the flow of the fluid into portions of the interior of the header.



- 26. (original) The dialyzer inlet header of Claim 21 wherein inlet channel is located at a center of the body.
 - 27. (original) The dialyzer inlet header of Claim 21 including eight vanes.
- 28. (original) The dialyzer inlet header of Claim 21 including eight channels extending into the body member.

29-32 (canceled)